

Diagram illustrating the volume and area of a cylinder and a slice. The cylinder is shown with radius  $r$  and length  $L$ . A slice of thickness  $\Delta\theta$  is shown, subtending an angle  $\theta$  at the center. The volume of the cylinder is given by  $\pi r^2 \times L$ . The volume of the slice is given by  $\pi r^2 \times \frac{\theta}{360} \times L$ . The side area of the slice is given by  $r \times L$ .

Fig. 1c

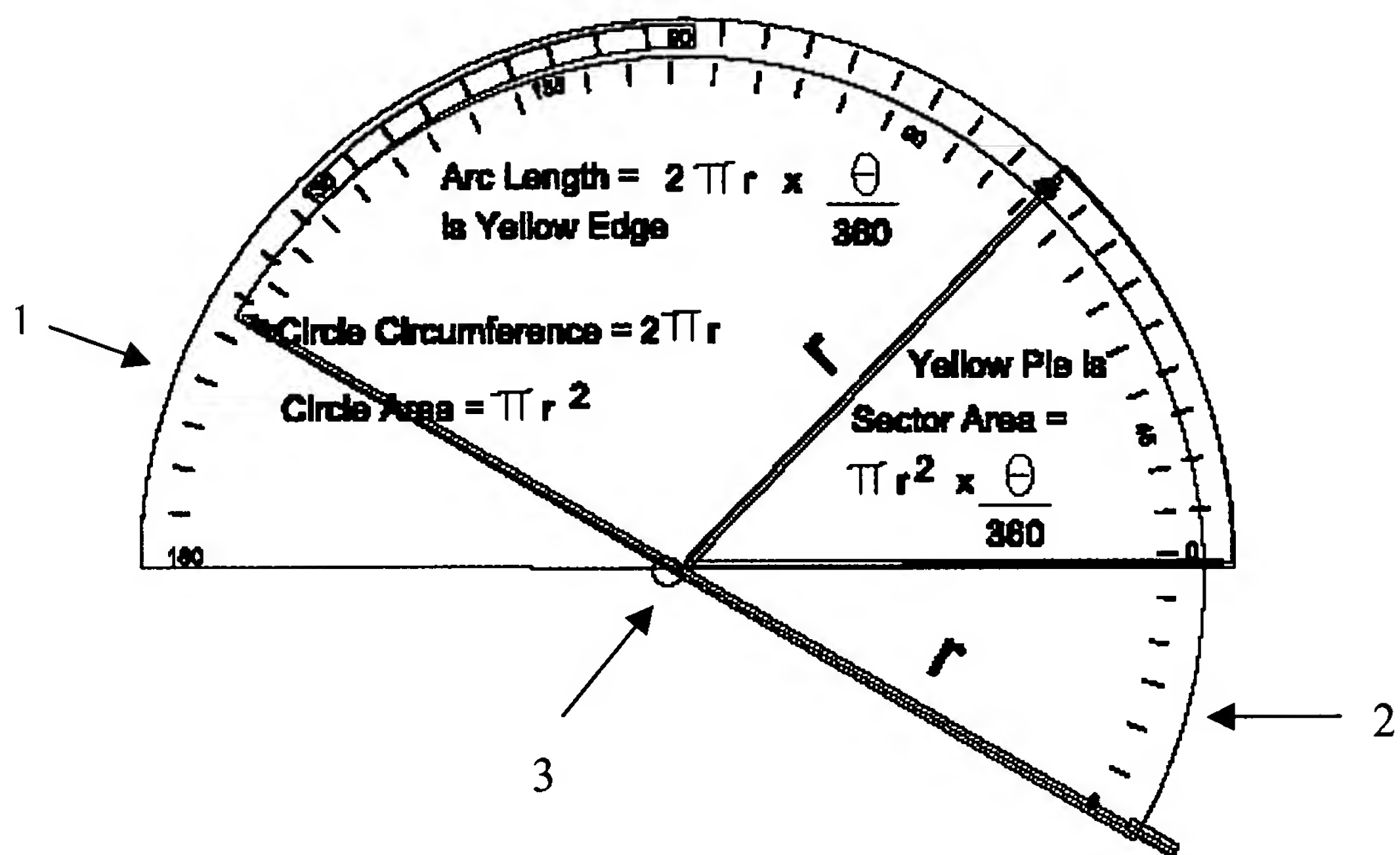


Fig. 2

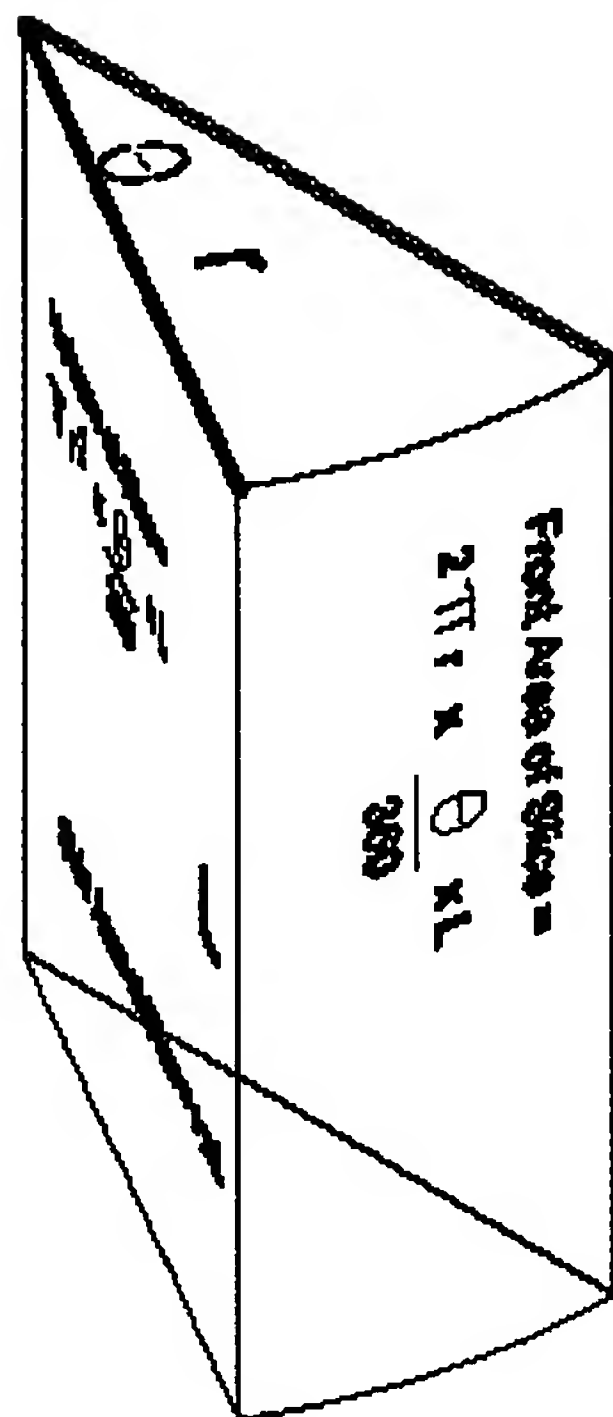


Fig. 3a

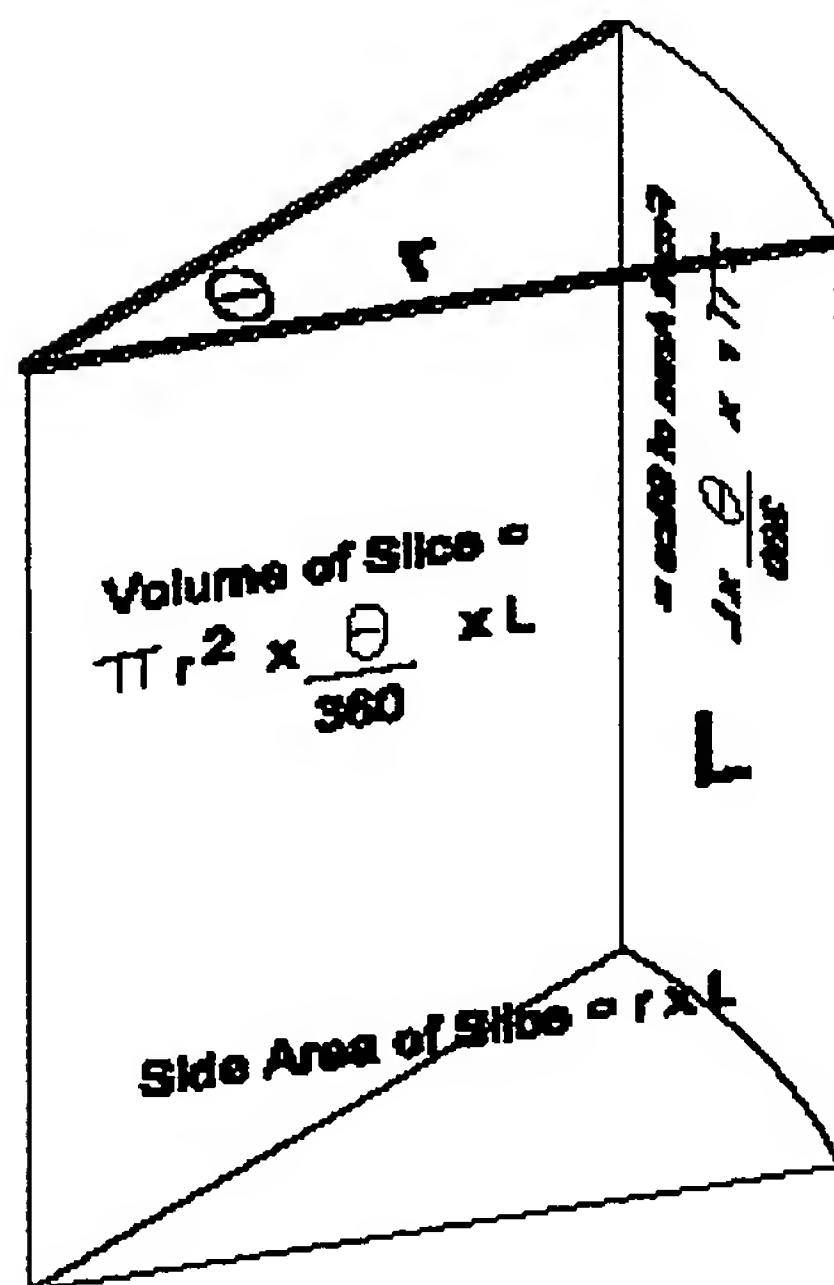


Fig. 3b

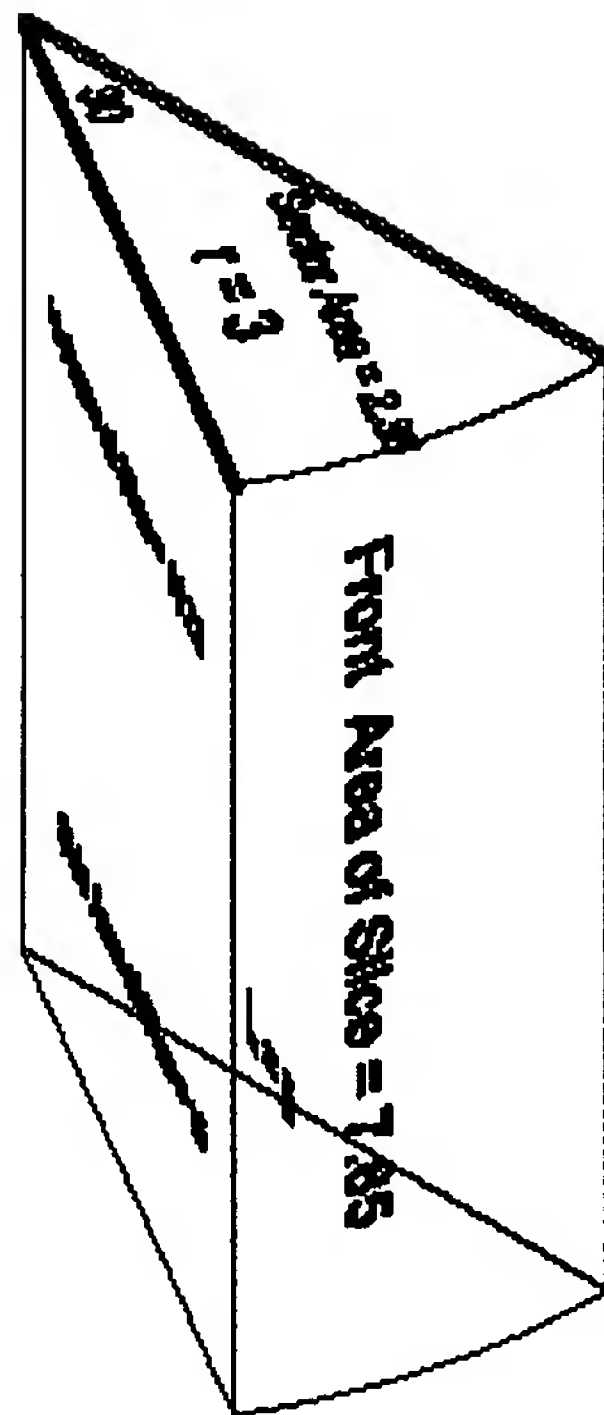


Fig. 4a

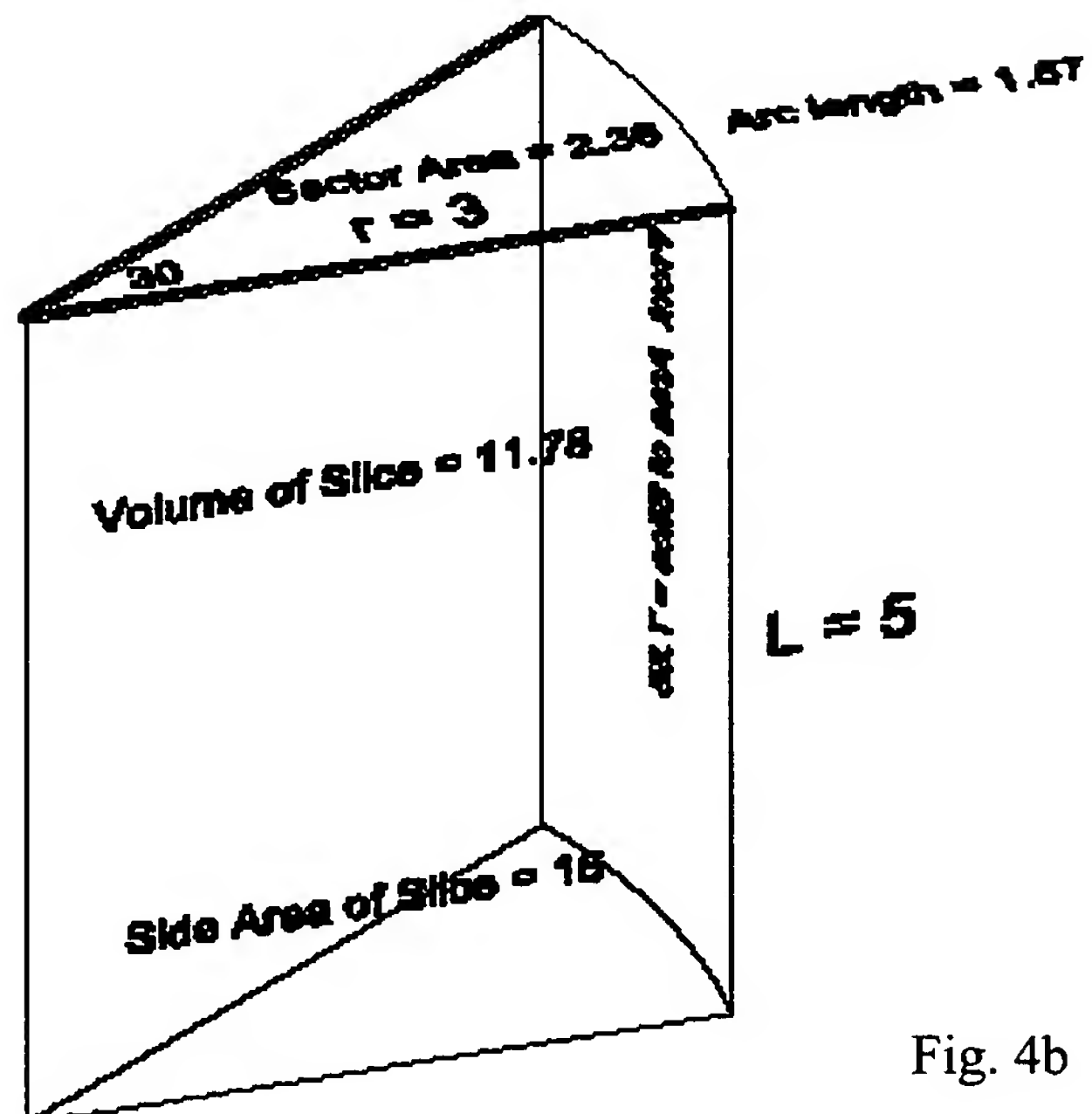


Fig. 4b

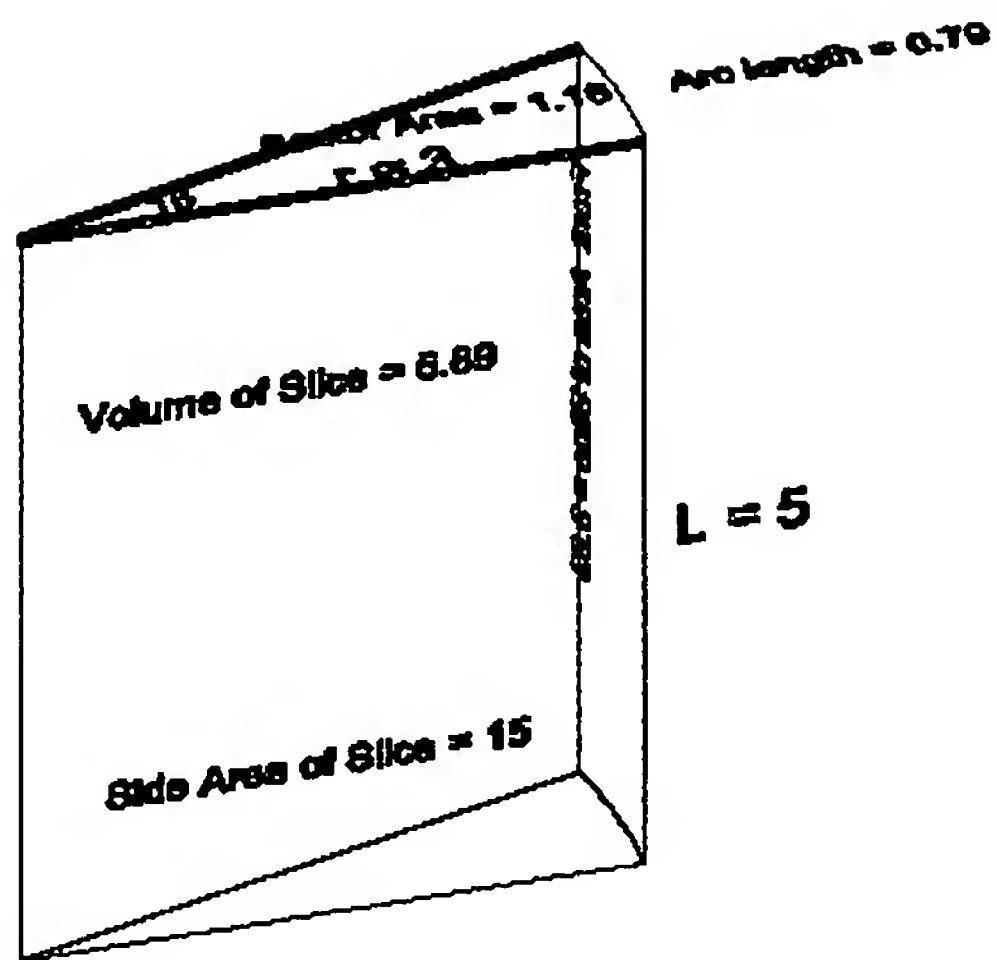


Fig. 5a

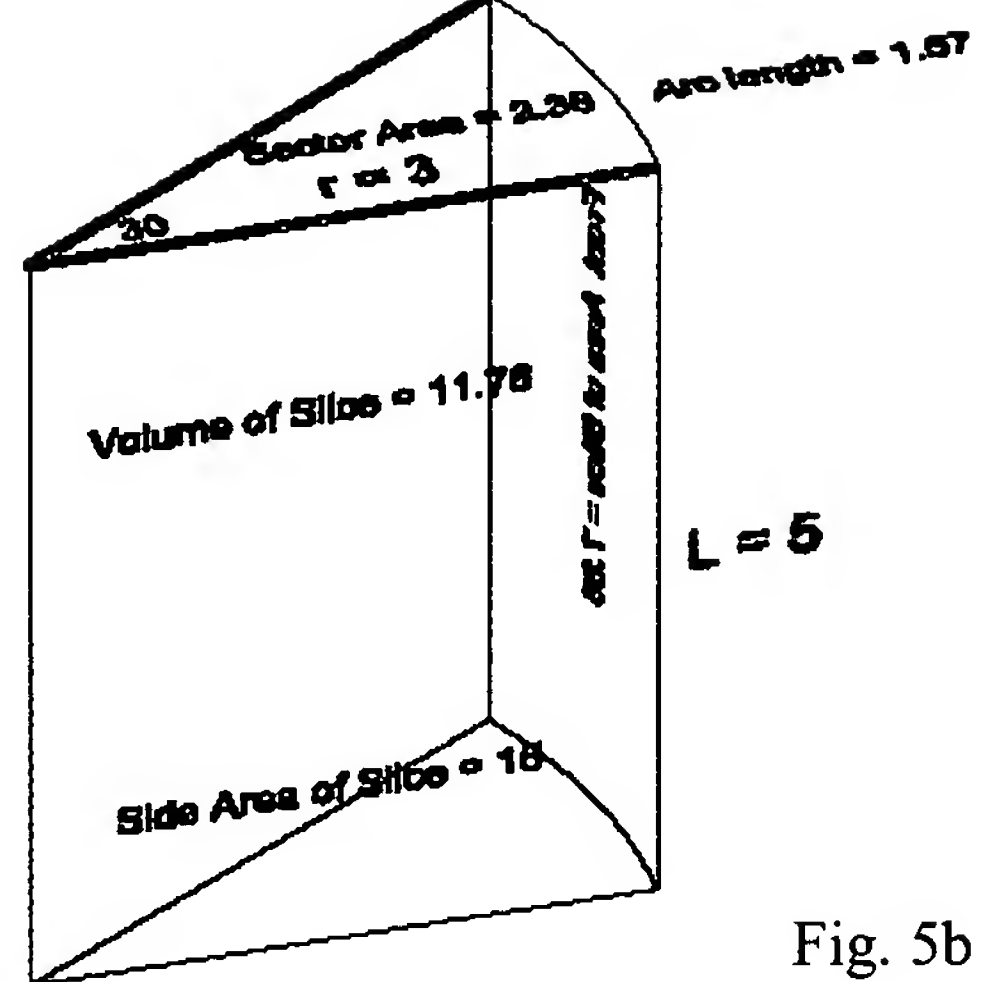


Fig. 5b

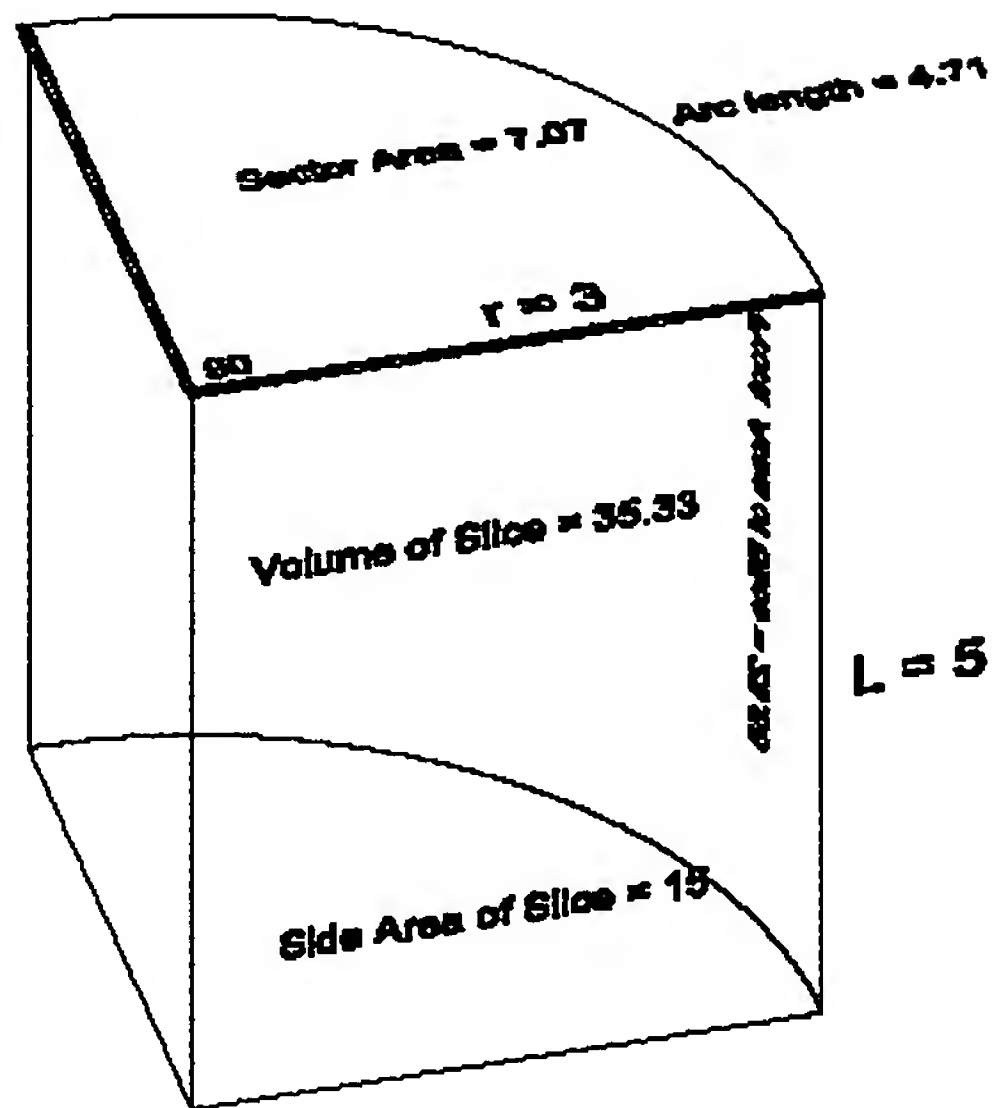


Fig. 5c

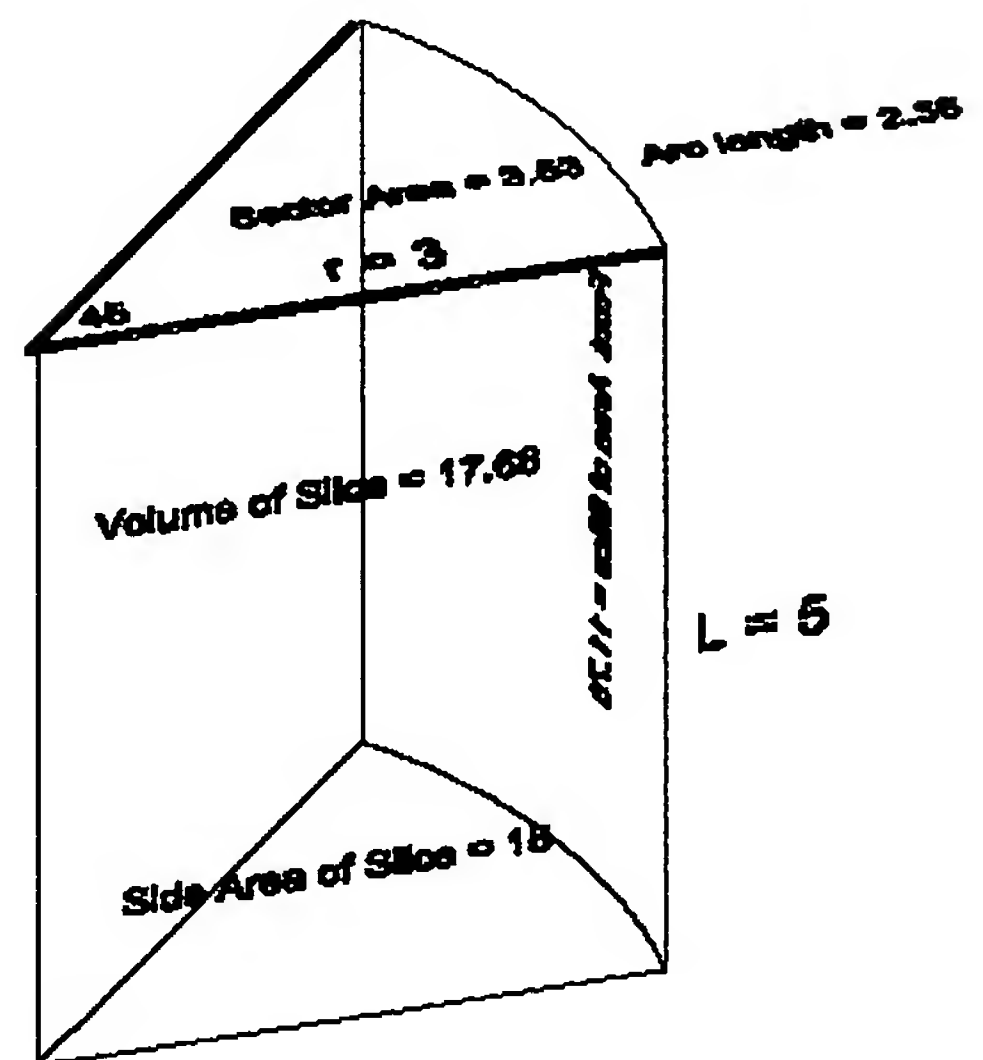


Fig. 5d

Fig. 6a

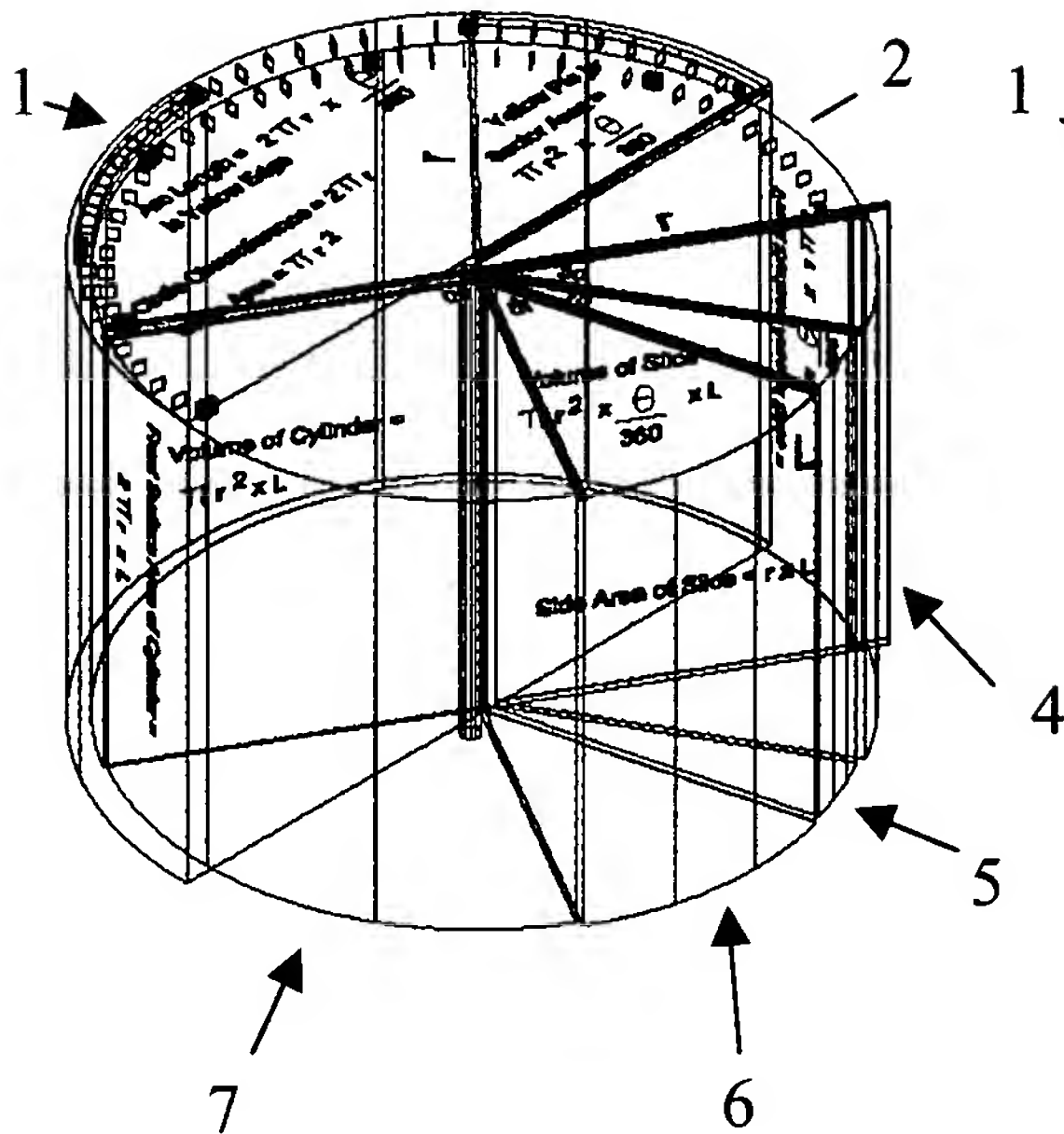


Fig. 6b

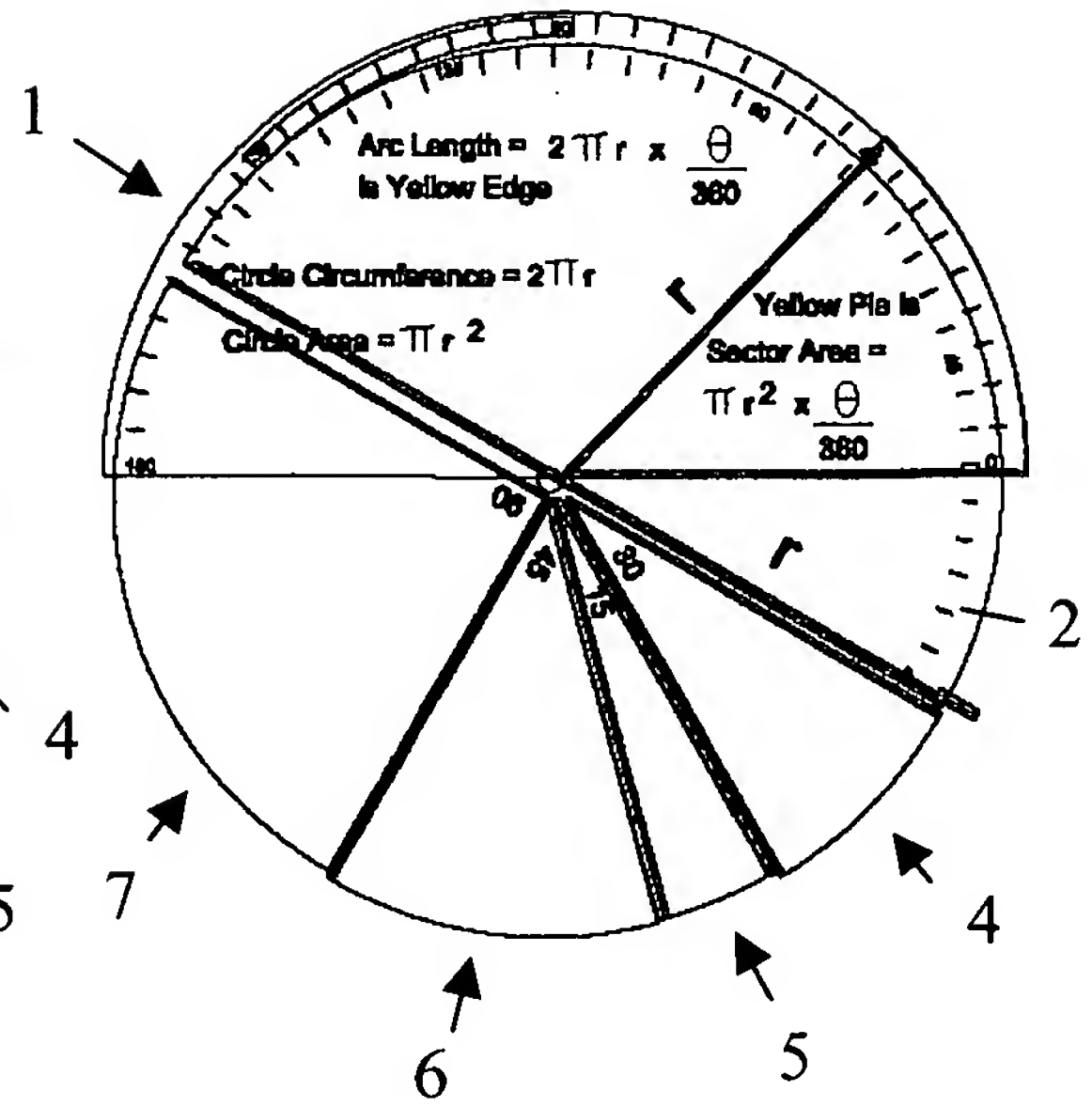


Fig. 6c

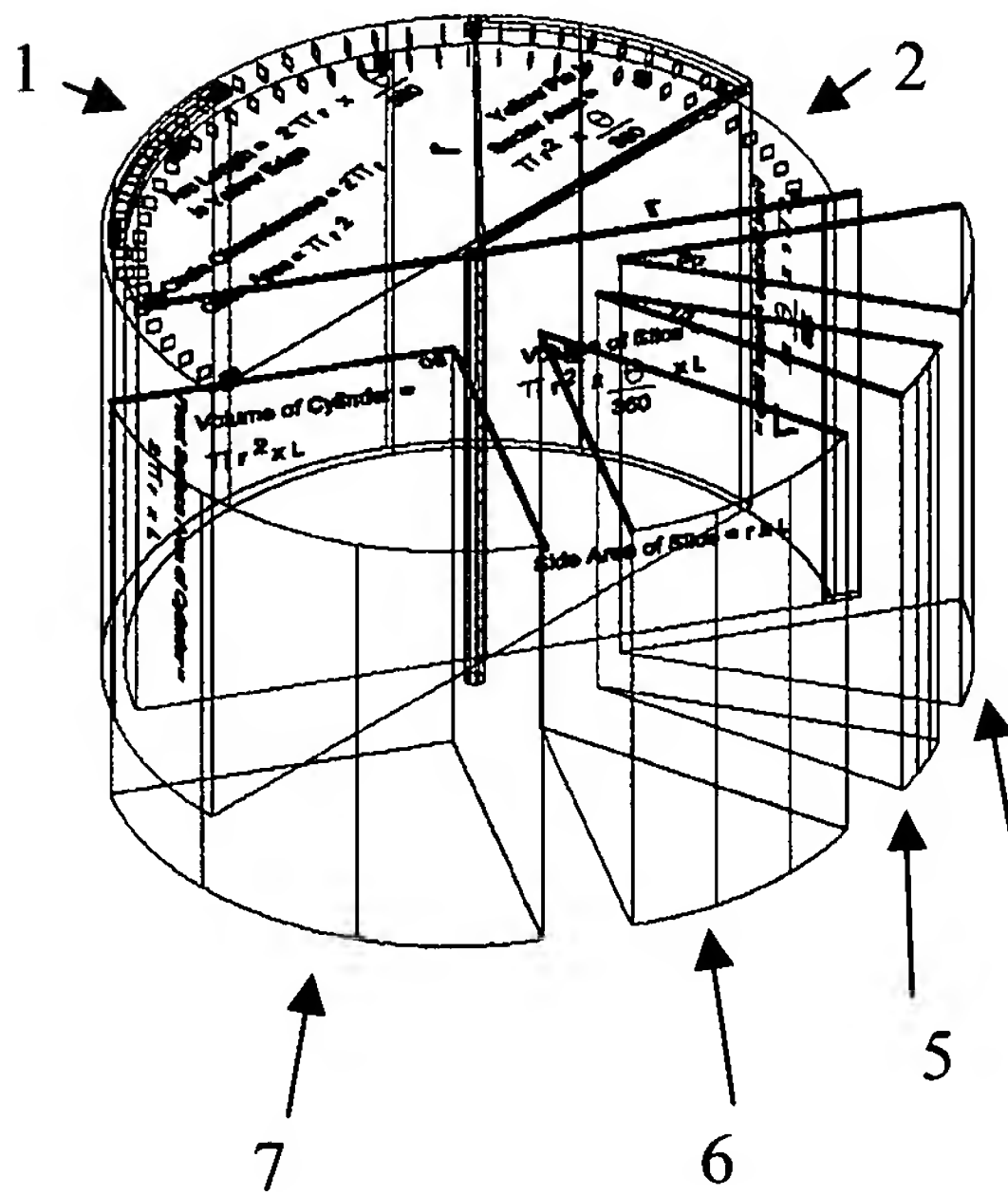


Fig. 6d

